

ABSTRACT

A pseudo composite material, may include, inter alia, a first phase and a second phase, wherein each phase may include, inter alia, an organic compound, wherein each phase comprising a multiplicity of construction layers, wherein the layers were deposited by ink-jet printing, wherein the pseudo composite material exhibits non-homogeneous three-dimensional structure. A method is disclosed for the preparation of a pseudo composite material. An apparatus is disclosed for printing a pseudo composite material. Furthermore, there is disclosed a method for printing a three-dimensional object using various suitable materials.